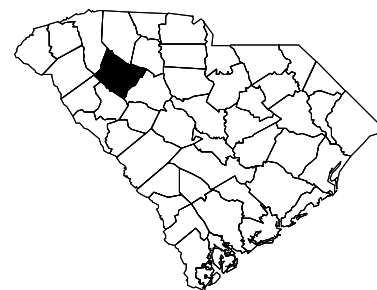


IMPACT OF CHRONIC CONDITIONS LAURENS County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Laurens county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Laurens county's population is similar to the state population. The majority (38%) of the population in Laurens county are between the ages of 18-44, and there are more females (52%) than males (48%). However, Laurens county's minority population (27%) is lower than the state (32%). When adults in Laurens county were asked about their general health status, 83.2% reported having excellent, very good, or good health in 2002 (SC was 83%).

	LAURENS COUNTY	STATE
Population size	70,508	4,107,183
Age distribution (%)		
<18	24	24
18-44	38	40
45-64	25	24
65-84	11	11
85+	2	1
Race (%)		
White	73	68
Black & Other	27	32
Sex (%)		
Male	49	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Laurens county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	25	27
Sedentary lifestyle	42	42
Overweight	58	60
High Cholesterol	7	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27.6	.	.	.	.	28.4
Number of hospitalizations	106	47	59	42	64	5,173
Standard rate of hospitalizations (per 100,000)	146	282	107	133	151	125
Median age of hospitalized patients	63	50	73	58	63	63
Total cost of hospitalization (\$)	1,668,900	911,200	757,700	612,600	1,056,300	79,350,400
Average length of hospital stay (days)	6	7	5	5	6	5
Number of ED visits	100	52	48	50	50	7,306
Standard rate of ED visits (per 100,000)	137	286	86	142	130	175
Median age of ED patients	53	53	58	53	53	53
Total cost of ED visits (\$)	61,700	27,100	34,600	22,700	39,000	5,902,800
Number of deaths*	9	3	6	2	7	366
Standard death rate (per 100,000)*	12	18	10	5	14	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.51	.	.	.	.	5.13
Number of hospitalizations	708	129	579	394	314	30,831
Standard rate of hospitalizations (per 100,000)	933	751	988	1,157	740	734
Median age of hospitalized patients	68	63	68	63	73	68
Total cost of hospitalization (\$)	17,778,500	2,778,900	14,999,600	11,222,300	6,556,200	969,122,700
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	55	10	45	36	19	2,754
Standard rate of ED visits (per 100,000)	73	60	78	107	47	66
Median age of ED patients	63	60	63	58	75	63
Total cost of ED visits (\$)	258,400	36,100	222,300	193,000	65,400	10,617,900
Number of deaths*	210	46	164	112	98	9,723
Standard death rate (per 100,000)*	286	296	281	389	206	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	1.99	.	.	.	.	2.38
Number of hospitalizations	288	69	219	141	147	14,317
Standard rate of hospitalizations (per 100,000)	387	432	373	439	334	351
Median age of hospitalized patients	73	73	78	73	73	73
Total cost of hospitalization (\$)	4,080,400	1,224,200	2,856,200	2,278,500	1,801,900	279,819,700
Average length of hospital stay (days)	5	6	4	5	5	6
Number of ED visits	58	15	43	30	28	2,732
Standard rate of ED visits (per 100,000)	79	98	74	99	63	67
Median age of ED patients	65	58	78	53	73	73
Total cost of ED visits (\$)	106,000	23,700	82,300	63,300	42,700	6,322,600
Number of deaths*	57	13	44	21	36	2,816
Standard death rate (per 100,000)*	79	90	75	75	74	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	280	50	230	106	174	14,524
Standard rate of hospitalizations (per 100,000)	374	289	397	315	429	351
Median age of hospitalized patients	68	58	68	63	68	58
Total cost of hospitalization (\$)	3,951,600	650,800	3,300,800	1,546,200	2,405,400	198,700,700
Average length of hospital stay (days)	5	4	5	5	5	5
Number of ED visits	740	301	439	303	437	37,517
Standard rate of ED visits (per 100,000)	1,042	1,579	848	883	1,209	914
Median age of ED patients	38	33	38	33	43	33
Total cost of ED visits (\$)	420,600	162,000	258,600	180,600	240,000	30,607,600
Number of deaths*	33	7	26	12	21	1,891
Standard death rate (per 100,000)*	46	48	45	45	48	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	6.68	.	.	.	.	8.33
Number of hospitalizations	147	66	81	79	68	8,652
Standard rate of hospitalizations (per 100,000)	201	357	147	234	175	207
Median age of hospitalized patients	63	58	73	48	70	53
Total cost of hospitalization (\$)	2,709,200	1,359,900	1,349,300	1,459,200	1,250,000	127,167,500
Average length of hospital stay (days)	7	7	7	8	6	6
Number of ED visits	92	51	41	34	58	9,316
Standard rate of ED visits (per 100,000)	125	292	75	100	146	224
Median age of ED patients	63	58	73	53	68	53
Total cost of ED visits (\$)	61,100	34,200	26,900	24,800	36,300	8,261,100
Number of deaths*	24	9	15	4	11	1,114
Standard death rate (per 100,000)*	32	53	26	16	32	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	396	112	284	150	246	24,644
Standard rate of hospitalizations (per 100,000)	536	631	494	480	627	591
Median age of hospitalized patients	63	48	63	68	53	58
Total cost of hospitalization (\$)	9,163,400	2,203,900	6,959,500	4,529,900	4,633,500	605,119,300
Average length of hospital stay (days)	6	6	6	8	5	6
Number of deaths*	143	35	107	74	69	8,320
Standard death rate (per 100,000)*	189	222	179	243	158	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	34	7	27	19	15	2,113
Standard rate of hospitalizations (per 100,000)	45	41	46	59	35	51
Median age of hospitalized patients	68	63	68	68	63	68
Total cost of hospitalization (\$)	984,300	243,500	740,800	490,500	493,800	80,248,200
Average length of hospital stay (days)	9	12	9	8	11	10
Number of deaths*	18	3	15	6	12	807
Standard death rate (per 100,000)*	25	19	26	22	27	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	30	5	25	.	30	1,465
Standard rate of hospitalizations (per 100,000)	40	30	43	.	73	35
Median age of hospitalized patients	65	63	68	.	65	63
Total cost of hospitalization (\$)	356,000	36,300	319,700	.	356,000	21,213,600
Average length of hospital stay (days)	3	2	3	.	3	3
Number of deaths*	8	2	6	-	8	630
Standard death rate (per 100,000)*	11	14	10	-	19	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	3	11	.	.	6	5
Median age of hospitalized patients	40	40	.	.	40	48
Total cost of hospitalization (\$)	25,600	25,600	.	.	25,600	3,668,300
Average length of hospital stay (days)	3	3	.	.	.	4
Number of deaths*	-	-	-	-	-	26
Standard death rate (per 100,000)*	-	-	-	-	8	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	39	9	30	24	15	2,154
Standard rate of hospitalizations (per 100,000)	52	53	51	76	36	51
Median age of hospitalized patients	68	63	68	73	68	68
Total cost of hospitalization (\$)	1,256,600	125,900	1,130,700	887,500	369,100	70,474,400
Average length of hospital stay (days)	9	5	10	9	8	9
Number of deaths*	48	11	36	31	17	2,481
Standard death rate (per 100,000)*	62	64	59	91	39	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	23	5	18	23	.	1,353
Standard rate of hospitalizations (per 100,000)	30	27	30	81	.	32
Median age of hospitalized patients	68	63	75	68	.	68
Total cost of hospitalization (\$)	420,000	118,000	302,000	420,000	.	24,726,200
Average length of hospital stay (days)	5	6	4	5	.	4
Number of deaths*	8	5	3	8	-	478
Standard death rate (per 100,000)*	11	35	5	34	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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